

Equations to Represent Word Problems 3

Name: _____

Date: _____

1. Noah and Mark are playing a game. Each boy starts the game with 15 points. At the end of the game, Noah had won 3 points and lost 2. Mark had lost 3 points and won 2. Which number sentence correctly compares the number of points Noah and Mark had at the end of the game?

A. $15 + 3 - 2 = 15 - 3 + 2$

B. $15 + 3 - 2 < 15 - 3 + 2$

C. $15 + 3 - 2 > 15 - 3 + 2$

D. $15 + 3 - 2 \wedge 15 - 3 + 2$

2. Charlene has 48 ounces of pasta salad. One serving size is 6 ounces. Which number sentence could be used to find the number of servings (p) in Charlene's pasta salad?

A. $48 \div 6 = p$

B. $48 \times 6 = p$

C. $48 - 6 = p$

D. $48 + 6 = p$

3. Alicia has 90 stickers. She gives all of the stickers to 10 of her friends. Each friend gets the same number of stickers. Which number sentence shows how many stickers each friend gets?

A. $90 + 10 = 100$

B. $90 \times 10 = 900$

C. $90 \div 10 = 9$

4. Mr. Parks has 5 bags of oranges. Each bag has 15 oranges.

Which number sentence shows the total number of oranges Mr. Parks has?

A. $15 \times 5 = 75$

B. $15 + 5 = 20$

C. $15 \div 5 = 3$

5. Use the number sentence below to answer the following question.

$$19 + 7 + 5 = 31$$

Which story below describes this number sentence?

A. Maya had 19 toy cars. She gave away 7 and got 5 in return.

B. Maya had 31 toy cars. She got 19 more. Then she gave away 5. Then she gave away 7.

C. Maya had 19 toy cars. Then she got 7 more. Then she got 5 more. Now Maya has 31 cars.

D. Maya had 7 toy cars. Then she got 19 more cars. Then she gave away 5 cars.

6. Which story matches $25 - 10 = 15$?
- There were 25 boxes of cereal on a store shelf. Today, 10 boxes were sold. How many boxes of cereal are left on the shelf?
 - There were 25 boxes of cereal on a store shelf. Today, 10 more boxes were put on the shelf. How many total boxes of cereal are on the shelf?
 - There were 15 boxes of cereal on a store shelf. Today, 10 boxes were sold. How many boxes of cereal are left on the shelf?
 - There were 15 boxes of cereal on a store shelf. Today, 25 boxes were put on the shelf. How many total boxes of cereal are on the shelf?
7. There were 13 turtles swimming in a pond.
Then 7 of the turtles climbed onto a log.
Which number sentence shows how many turtles stayed in the pond?
- $7 - 6 = 1$
 - $13 + 7 = 20$
 - $13 + 6 = 19$
 - $13 - 7 = 6$
8. Molly had $\frac{2}{3}$ of a yard of material. She used $\frac{1}{4}$ of a yard for a doll dress. Which equation shows how much material is left?
- $\frac{2}{3} \times \frac{1}{4} = \square$
 - $\frac{2}{3} - \frac{1}{4} = \square$
 - $1 - (\frac{2}{3} \times \frac{1}{4}) = \square$
 - $\frac{2}{3} \div \frac{1}{4} = \square$
9. Luis worked 3 hours to earn \$15. He put the \$15 in his bank. Then he spent \$6. Now he has \$9 in his bank. Which number sentence describes this story?
- $15 + 6 = 21$
 - $9 - 3 = 6$
 - $3 + 6 = 9$
 - $15 - 6 = 9$
10. Each shelf holds about 28 books. To estimate how many shelves are needed for 86 books, which equation should be used?
- $90 + 30 = 120$
 - $90 \div 30 = 3$
 - $90 - 30 = 60$
 - $90 \times 30 = 2,700$

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1.
Answer: C
2.
Answer: A
3.
Answer: C
4.
Answer: A
5.
Answer: C
6.
Answer: A
7.
Answer: D
8.
Answer: B
9.
Answer: D
10.
Answer: B